

**ABSTRACT**

An apparatus and method for detecting faults and providing diagnostic information in a refrigeration system comprising a microprocessor, a means for inputting information to the microprocessor, a means for outputting information from the microprocessor, and five sensors. It is emphasized that this abstract is provided to comply with the rules requiring an abstract that will allow a searcher or other reader to quickly ascertain the subject matter of the technical disclosure. It is submitted with the understanding that this abstract will not be used to interpret or limit the scope or meaning of the claims. 37 CFR 1.72(b).